

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

Claim 1 (Previously presented): A method of modifying a cornea of an eye having a main optical axis, comprising the steps of:

aiming a laser at the cornea,

firing the laser at the cornea, the laser separating the internal area of the cornea offset from the main optical axis into first and second internal surfaces to form a corneal flap, a portion of which remains attached to the cornea by an area located at the main optical axis, the first internal surface facing in a posterior direction of the cornea and the second internal surface facing in an anterior direction of the cornea, wherein a peripheral edge of the corneal flap forms an arc at least partly around the main optical axis, the peripheral edge being movable relative to the second surface,

lifting the corneal flap at the peripheral edge,

introducing an ocular implant in between the first and second internal surfaces, and

placing the corneal flap over the ocular implant to form a new curvature for the exterior surface of the cornea.

Claim 2 (Original): A method according to claim 1, wherein

the firing step includes firing the laser at the cornea so that the corneal flap is substantially ring-shaped.

Claim 3 (Original): A method according to claim 1, wherein

the firing step includes firing the laser at the cornea so that the corneal flap is substantially arcuate.

Claim 4 (Original): A method according to claim 1, wherein  
said ocular implant is a corrective lens with at least a portion having a refractive index  
that is different from that of the cornea.

Claim 5 (Original): A method according to claim 1, wherein  
the introducing step includes introducing an ocular implant that is substantially ring-  
shaped.

Claim 6 (Original): A method according to claim 1, wherein  
the introducing step includes introducing an ocular implant that is substantially arcuate.

Claim 7 (Original): A method according to claim 1, wherein  
the introducing step includes introducing the ocular implant so that the ocular implant at  
least partially encircles the main optical axis.

Claim 8 (Original): A method according to claim 1, wherein  
the steps of aiming and firing a laser include aiming and firing an ultrashort pulse laser.

Claim 9 (Original): A method according to claim 8, wherein  
the steps of aiming and firing a laser include aiming and firing a laser selected from a  
group consisting of a femtosecond laser, a picosecond laser and an attosecond laser.

Claim 10 (Original): A method according to claim 1, further including the steps of  
aiming a second laser at the cornea, and  
firing the second laser at an external surface of the cornea to ablate a portion of the  
external surface of the cornea.

Claim 11 (Original): A method according to claim 10, wherein  
the steps of aiming and firing the second laser at the surface of the cornea to ablate a  
portion of the external surface of the cornea include aiming and firing the second laser at the  
portion of the corneal flap that remains attached to the cornea by an area located at the main  
optical axis.

Claim 12 (Previously presented): A method according to claim 10, wherein  
the steps of aiming and firing a second laser at the external surface of the cornea include aiming and firing an excimer laser at the cornea.

Claim 13 (Previously presented): A method of modifying a cornea of an eye having a main optical axis, comprising the steps of

aiming an ultrashort pulse laser at the cornea,

firing the ultrashort pulse laser at the cornea, the laser separating the internal area of the cornea offset from the main optical axis into first and second substantially ring-shaped internal surfaces to form a corneal flap, a portion of which remains attached to the cornea by an area located at the main optical axis, the first internal surface facing in a posterior direction of the cornea and the second internal surface facing in an anterior direction of the cornea, wherein a peripheral edge of the corneal flap forms an arc at least partly around the main optical axis, the peripheral edge being movable relative to the second surface,

lifting the corneal flap at the peripheral edge,

introducing a substantially ring-shaped ocular implant in between the first and second internal surfaces so that the ocular implant at least partially encircles the portion of the cornea that remains attached to the cornea by an area located at the main optical axis,

placing the corneal flap over the ocular implant to form a new curvature for the exterior surface of the cornea,

aiming a second laser at the cornea, and

firing the second laser at an external surface of the cornea to ablate a portion of the external surface of the cornea.

Claim 14 (Original): A method according to claim 13, wherein

the steps of aiming and firing a laser include aiming and firing a laser selected from a group consisting of a femtosecond laser, a picosecond laser and an attosecond laser.

Claim 15 (Original): A method according to claim 13, wherein

the steps of aiming and firing a second laser at the surface of the cornea to ablate a portion of the external surface of the cornea include firing the laser at the portion of the corneal flap that remains attached to the cornea by an area located at the main optical axis.

Claim 16 (Previously presented): A method according to claim 13, wherein  
the steps of aiming and firing a second laser at the cornea include aiming and firing an excimer laser at the external surface of the cornea.

Claims 17-22 (Cancelled)

Claim 23 (Previously presented): A method of modifying a cornea of an eye having a main optical axis, comprising the steps of

separating the internal area of the cornea offset from the main optical axis into first and second substantially ring-shaped internal surfaces to form a corneal flap, a portion of which remains attached to the cornea by an area located at the main optical axis, the first internal surface facing in a posterior direction of the cornea and the second interior surface facing in an anterior direction of the cornea, wherein a peripheral edge of the corneal flap forms an arc at least partly around the main optical axis, the peripheral edge being movable relative to the second surface,

lifting the corneal flap at the peripheral edge,

introducing a substantially ring-shaped ocular implant in between the first and second internal surfaces so that the ocular implant at least partially encircles the portion of the cornea that remains attached to the cornea by an area located at the main optical axis,

placing the corneal flap over the ocular implant to form a new curvature for the exterior surface of the cornea,

aiming a laser at the cornea, and

firing the laser at an external surface of the cornea to ablate a portion of the external surface of the cornea.

Claim 24 (Original): A method according to claim 23, wherein

the steps of aiming and firing a laser at the surface of the cornea to ablate a portion of the external surface of the cornea include firing the laser at the portion of the corneal flap that remains attached to the cornea by an area located at the main optical axis.

Claim 25 (Original): A method according to claim 23, wherein

the steps of aiming and firing a laser at the cornea include aiming and firing an excimer laser at the external surface of the cornea.

Claim 26 (New): A method according to claim 1, wherein

the peripheral edge of the corneal flap forms a substantially three hundred sixty degree arc around the main optical axis.

Claim 27 (New): A method according to claim 1, further comprising:

firing the laser at another portion of the cornea, the laser separating another internal area of the cornea offset from the main optical axis into third and fourth internal surfaces to form a second corneal flap, a second portion of which remains attached to the cornea by the area located at the main optical axis, the third internal surface facing in the posterior direction of the cornea and the fourth internal surface facing in the anterior direction of the cornea, wherein a second peripheral edge of the second corneal flap forms a second arc at least partly around the main optical axis, the second peripheral edge being movable relative to the fourth surface,

lifting the second corneal flap at the second peripheral edge,

introducing a second ocular implant in between the third and fourth internal surfaces, and

placing the second corneal flap over the second ocular implant to form a second new curvature for another portion of the exterior surface of the cornea.

Claim 28 (New): A method according to claim 1, wherein

the arc is at least approximately ninety degrees around the main optical axis.